

What is claimed is

1. A magnetic bearing control device for controlling a magnetic bearing for supporting a rotor in non-contact manner, said magnetic bearing control device comprising:

5 a digital processor which controls at least said magnetic bearing; and

a counter for accumulating and counting an actual work time of a designated managed component;

10 wherein said digital processor performs a comparison between the accumulated actual work time of the managed component counted by said counter and a preset maintenance time, and outputs a signal indicating start of maintenance operation of said managed component on the basis of the result of the comparison.

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2. The magnetic bearing control device according to claim 1, wherein said digital processor inhibits the activation of said magnetic bearing control device, after the accumulated actual work time of the managed component counted by said counter exceeds a preset limit time.

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3. The magnetic bearing control device according to claim 1, wherein said digital processor comprises a function of said counter.

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4. The magnetic bearing control device according to claim 2, wherein said digital processor comprises a function of said counter.

5 5. The magnetic bearing control device according to claim 1 further comprising:

a display portion for displaying a message or an image on the basis of said signal indicating the start of maintenance operation outputted from the digital processor.

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6. The magnetic bearing control device according to claim 1 further comprising:

a voice output portion for outputting a sound on the basis of said signal indicating the start of maintenance operation outputted from the digital processor.

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7. The magnetic bearing control device according to claim 1, further comprising:

a data input device which allows an user to set said preset maintenance time.

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8. The magnetic bearing control device according to claim 2, further comprising:

a data input device which allows an user to set said preset maintenance time and said present limit time.

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